IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A transmitter comprising:

a carrier wave generation means for generating a carrier wave possessing a predetermined frequency;

a baseband pulse generation means for generating baseband pulses at time intervals equal to a fraction 1/n of said predetermined frequency (n is an integer); and

a modulation means for modulating said baseband pulses with said carrier wave and generating an n cycle pulse,

wherein said carrier wave generation means generates a carrier wave possessing a frequency set in a center of the transmission band.

Claim 2 (Currently Amended): A transmitter comprising:

a baseband pulse generation means for generating baseband pulses with a pulse width equal to a rectangular wave pulse length that is an integer multiple of one cycle of a predetermined frequency carrier wave possessing a frequency set in a center of a band not interfering with communication systems already in use; and

a modulation means for modulating said baseband pulses with said carrier wave and generating an n cycle pulse with a number of cycles n equal to the integer multiple.

Claim 3 (Currently Amended): A transmitter comprising: ~~A transmitter according to claim 1 or 2~~

a baseband pulse generation means for generating baseband pulses with a pulse width equal to a rectangular wave pulse length that is an integer multiple of one cycle of a predetermined frequency carrier wave; and

a modulation means for modulating said baseband pulses with said carrier wave and generating an n cycle pulse with a number of cycles n equal to the integer multiple,

wherein said ~~carrier wave generation means generates a~~ carrier wave has ~~possessing~~ a frequency set in a ~~the~~ center of the transmission band.

Claim 4 (Currently Amended): A transmitter comprising: ~~A transmitter according to claim 1 or 2~~

a carrier wave generation means for generating a carrier wave possessing a predetermined frequency;

a baseband pulse generation means for generating baseband pulses at time intervals equal to a fraction 1/n of said predetermined frequency (n is an integer); and

a modulation means for modulating said baseband pulses with said carrier wave and generating an n cycle pulse,

wherein said carrier wave generation means generates a carrier wave possessing a frequency set in a ~~the~~ center of a band not interfering with communication systems already in use.

Claim 5 (Original): A transmitter according to claim 1 or 2, wherein said modulation means converts the frequency of said baseband pulses by using said carrier wave.

Claim 6 (Currently Amended): A transmission method comprising ~~the steps of~~:

generating a carrier wave possessing a predetermined frequency set in a center of the transmission band;

generating baseband pulses at time intervals equal to a fraction 1/n of said frequency (n is an integer);

modulating said baseband pulses by using said carrier wave; and

generating and transmitting an n cycle pulse.

Claims 7-16 (Canceled).

Claim 17 (Currently Amended): A transmitter ~~according to claim 1, further~~ comprising:

a carrier wave generation means for generating a carrier wave possessing a predetermined frequency;

a baseband pulse generation means for generating baseband pulses at time intervals equal to a fraction 1/n of said predetermined frequency (n is an integer);

a modulation means for modulating said baseband pulses with said carrier wave and generating an n cycle pulse; and

a spread code generator module for generating spread codes for direct spectrum spread.

Claims 18-23 (Canceled)

Claim 24 (Currently Amended): A transmitter comprising:

a carrier wave generator configured to generate a carrier wave possessing a predetermined frequency set in a center of the transmission band;

a baseband pulse generator configured to generate baseband pulses at time intervals equal to a fraction 1/n of said predetermined frequency (n is an integer); and

a modulator configured to modulate said baseband pulses with said carrier wave and to create an n cycle pulse.

Claim 25 (Currently Amended): A transmitter comprising:

a baseband pulse generator configured to generate baseband pulses with a pulse width equal to a rectangular wave pulse length that is an integer multiple of one cycle of a predetermined frequency carrier wave set in a center of the transmission band; and

a modulator configured to modulate said baseband pulses with said carrier wave and to create an n cycle pulse with a number of cycles n equal to the integer multiple.

Claim 26 (New): A transmission method comprising:

generating a carrier wave possessing a predetermined frequency set in a center of a band not interfering with communication systems already in use;

generating baseband pulses at time intervals equal to a fraction 1/n of said frequency (n is an integer);

modulating said baseband pulses by using said carrier wave; and

generating and transmitting an n cycle pulse.

Claim 27 (New): A transmitter comprising:

a carrier wave generator configured to generate a carrier wave possessing a predetermined frequency set in a center of a band not interfering with communication systems already in use;

a baseband pulse generator configured to generate baseband pulses at time intervals equal to a fraction 1/n of said predetermined frequency (n is an integer); and

a modulator configured to modulate said baseband pulses with said carrier wave and to create an n cycle pulse.

Claim 28 (New): A transmitter comprising:

a baseband pulse generator configured to generate baseband pulses with a pulse width equal to a rectangular wave pulse length that is an integer multiple of one cycle of a predetermined frequency carrier wave, said predetermined frequency carrier wave possessing a frequency set in a center of a band not interfering with communication systems already in use; and

a modulator configured to modulate said baseband pulses with said carrier wave and to create an n cycle pulse with a number of cycles n equal to the integer multiple.